

PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1. (Currently Amended) A method for re-synchronizing a PPP link, comprising:
detecting a trigger indicating whether a remote station associated with an existing network server is associated with a new base station, wherein the trigger is detected after PPP option negotiation has been completed on both an R_m interface and a U_m interface;
determining whether the new base station is associated with a new network server;
~~re-synchronizing~~ re-synchronizing the PPP link on the U_m interface if the remote station is associated with the new network server, wherein the PPP link on the U_m interface is re-synchronized without re-synchronizing the PPP link on the R_m interface or affecting the PPP link on the R_m interface; and
maintaining existing synchronization of the PPP link with the existing network server if the new base station is associated with the existing network server.
2. (Original) The method according to claim 1, wherein the detecting comprises detecting an RLP reset.
3. (Original) The method according to claim 1, wherein the detecting comprises detecting a message indicating a handoff.
4. (Original) The method according to claim 1, wherein the detecting comprises detecting coming out of dormancy.
5. (Original) The method according to claim 1, wherein the determining comprises determining whether a received packet is a control packet.
6. (Original) The method according to claim 5, wherein the control packet comprises a link control protocol (LCP) negotiation request.

7. (Original) The method according to claim 5, wherein the control packet comprises an Internet protocol control protocol (IPCP) negotiation request.

8. (Canceled)

9. (Original) The method according to claim 1, wherein the network server comprises an interworking function (IWF).

10. (Currently Amended) The method according to claim 1, wherein the network server comprises a packet ~~data~~serving data serving node (PDSN).

11. (Original) The method according to claim 1, wherein the remote station functions under a CDMA environment.

12. (Currently Amended) A method for re-synchronization of a PPP link, comprising:
establishing a PPP link associated with an existing network server;
detecting a condition that indicates whether PPP re-synchronization is required, wherein the condition is detected after PPP option negotiation has been completed on both an R_m interface and a U_m interface;

determining whether ~~[[the new]]~~ a new base station is associated with a new network server;

re-synchronizing the PPP link on the U_m interface if it is determined that PPP re-synchronization is required, wherein the PPP link on the U_m interface is re-synchronized without re-synchronizing the PPP link on the R_m interface or affecting the PPP link on the R_m interface;
and

maintaining existing synchronization of the PPP link with the existing network server if the new base station is associated with the existing network server.

13. (Original) The method according to claim 12, wherein the detecting comprises detecting when an RLP reset occurs.

14. (Original) The method according to claim 12, wherein the detecting comprises detecting when a handoff occurs.

15. (Original) The method according to claim 12, wherein the detecting comprises detecting when coming out of dormancy.

16. (Currently Amended) A computer readable medium ~~embodying a method for re-synchronizing a PPP link, the method~~ comprising executable instructions for:

detecting a trigger indicating whether a remote station associated with an existing network server is associated with a new base station, wherein the trigger is detected after PPP option negotiation has been completed on both an R_m interface and a U_m interface;

determining whether the new base station is associated with a new network server;

~~re-synchronizing~~ re-synchronizing the PPP link on the U_m interface if the remote station is associated with the new network server, wherein the PPP link on the U_m interface is re-synchronized without re-synchronizing the PPP link on the R_m interface or affecting the PPP link on the R_m interface; and

maintaining existing synchronization of the PPP link with the existing network server if the new base station is associated with the existing network server.

17. (Currently Amended) A remote station apparatus comprising:

means for detecting a trigger indicating whether the remote station associated with an existing network server is associated with a new base station, wherein the trigger is detected after PPP option negotiation has been completed on both an R_m interface and a U_m interface;

means for determining whether the new base station is associated with a new network server;

means for ~~re-synchronizing~~ re-synchronizing a PPP link on the U_m interface if the remote station is associated with the new network server, wherein the PPP link on the U_m

interface is re-synchronized without re-synchronizing the PPP link on the R_m interface or affecting the PPP link on the R_m interface; and

means for maintaining existing synchronization of the PPP link with the existing network server if the new base station is associated with the existing network server.

18. (Currently Amended) A base station apparatus comprising:

means for detecting whether a new remote station associated with an existing network server is associated with the base station, wherein the trigger is detected after PPP option negotiation has been completed on both an R_m interface and a U_m interface;

means for determining whether the base station is associated with a new network server;

means for ~~re-synchronizing~~ re-synchronizing a PPP link on the U_m interface if the base station is associated with the new network server, wherein the PPP link on the U_m interface is re-synchronized without re-synchronizing the PPP link on the R_m interface or affecting the PPP link on the R_m interface; and

means for maintaining existing synchronization of the PPP link with the existing network server if the ~~[[new]]~~ base station is associated with the existing network server.

19. (Currently Amended) A base station apparatus comprising:

a processor configured to detect a trigger indicating whether a new remote station is associated with the base station associated with an existing network server, wherein the trigger is detected after PPP option negotiation has been completed on both an R_m interface and a U_m interface, the processor being further adapted to determine whether the ~~[[new]]~~ base station is associated with a new network server and maintain existing synchronization of a PPP link with the existing network server if the ~~[[new]]~~ base station is associated with the existing network server, wherein the processor is also configured to re-synchronize the PPP link on the U_m interface if the base station is associated with the new network server, and wherein the PPP link on the U_m interface is re-synchronized without re-synchronizing the PPP link on the R_m interface or affecting the PPP link on the R_m interface;

a receiver adapted to receive PPP re-synchronization signals, the receiver being connected to the processor; and

a transmitter adapted to send PPP re-synchronization signals, the transmitter being connected to the processor.

20. (Original) The apparatus according to claim 19, wherein the trigger comprises an RLP reset.

21. (Original) The apparatus according to claim 19, wherein the trigger comprises a message indicating a handoff.

22. (Original) The apparatus according to claim 19, wherein the trigger comprises an indication of coming out of dormancy.

23. (Currently Amended) A remote station apparatus comprising:
a processor configured to detect a trigger indicating whether the remote station associated with an existing network server is associated with a new base station, wherein the trigger is detected after PPP option negotiation has been completed on both an R_m interface and a U_m interface, the processor being further adapted to determine whether the new base station is associated with a new network server and maintain existing synchronization of a PPP link with the existing network server if the new base station is associated with the existing network server, wherein the processor is also configured to re-synchronize the PPP link on the U_m interface if the new base station is associated with the new network server, and wherein the PPP link on the U_m interface is re-synchronized without re-synchronizing the PPP link on the R_m interface or affecting the PPP link on the R_m interface;

a receiver adapted to receive PPP re-synchronization signals, the receiver being connected to the processor; and

a transmitter adapted to send PPP re-synchronization signals, the transmitter being connected to the processor.

24. (Original) The apparatus according to claim 23, wherein the trigger comprises an RLP reset.

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25. (Original) The apparatus according to claim 23, wherein the trigger comprises a message indicating a handoff.

26. (Original) The apparatus according to claim 23, wherein the trigger comprises an indication of coming out of dormancy.